

Turning Goals Into Reality 2003

National Aerospace Initiative (NAI)

Moderator: Row Rogacki

Director, NASA Space Technology Theme

Panelists: Paul Piscopo, Department of Defense Research and

Engineering

Steve Cook, NASA Next Generation Launch

Technology Program

Col. Pam Stewart, Air Force Space Command



NASA's Integrated Space Transportation Plan (ISTP)







National Aerospace Initiative (NAI)



25-year National Plan to mature key technologies for NASA & DoD Needs

NASA / DoD Cooperation through the National Aerospace Initiative













Long life rocket engines **Combined cycle propulsion** Ram / scramjets Long life, lightweight airframe and tanks **Durable thermal protection** systems "All electric" subsystems Rapid turnaround ground and flight operations











NASA Objectives

Fostering new

Station

markets

Scientific exploration Routine access to **International Space**

civil and commercial

DoD Objectives

Homeland defense **Operationally** responsive space lift Rapid global strike

"The Department of Defense, the National Aeronautics and Space Administration and industry must partner in innovative aerospace technologies, especially in the areas of propulsion and power."

Commission on the Future of the U.S. Aerospace Industry